

Executive Order G-70-164-AA

Hasstech VCP-3A Vacuum Assist Phase II Vapor Recovery System Equipment List

The following components are certified for use with either the VCP-3A, or the VCP-3A-UL system:

*** (See E. O. for specifics) ***

All system components are to be installed in accordance with manufacturers' instructions, and all applicable E.O.'s.

Component Manufacturer/Model Identification Number

Nozzles with Vapor Valve

OPW 11VAI-XX

where XX = 29 (unleaded, hold-open clip)
49 (unleaded, no hold-open clip)

Husky V34 6200-8

OR Any bootless nozzle which has been CARB certified for use with the Hasstech VCP-3A system.

Nozzles without Vapor Valve

OPW 11VAIXX

where XX = 27 (unleaded, hold-open clip)
47 (unleaded, no hold-open clip)

Husky V3 6201

Emco Wheaton A4500-002

Inverted Coaxial Hoses

Catlow VaporMate

Dayco 7282 Superflex 2000

7292 Superflex 4000

Goodyear Flexsteel

GT Sales/Hewitt Superflex 2000

Thermoid Hi-Vac & Hi-Vac S

VST VSTalflex

OR Any inverted coaxial hose CARB-certified for use with the Hasstech VCP-3A system.

Flow Actuated Vapor Valve

Nozzles without vapor valves shall be used only with the Hasstech CFC-1 coaxial flow actuated vapor valve.

Breakaway Couplings with vapor valves:

Catlow AV2001

OPW 66CIP

Richards Industries VA-60 & VA-50

Husky 4034

OR Any breakaway coupling has been CARB-certified for use with the Hasstech VCP-3A system

Tank Pressure Switch

Hasstech Part No. 14-18235

Vapor Plumbing Components

In-tank Drain Check Hasstech 1044, 1016-31

Out-of-tank Drain Check Hasstech 1042, 1016-32

Compact Out-of-Tank Hasstech 1042A, 1016-33

Drain Check

Tank Stick Correction Gauge

Hasstech Model TSC (Figure 12)

Pressure/Vacuum Valves

(Only threaded on accepted in Arizona)

OPW 523LP, 523LPS

Hazlett H-PVB-1 Gold label

Varec Model No. 2010-811-2

OR Any CARB-certified valve with the following pressure and vacuum settings, in inches water column (wc):

Pressure: three plus or minus one-half inches (3.0 +/- 0.5") wc.

Vacuum: eight plus or minus two inches (8 +/- 2") wc.

The following components are certified for use only with the Model VCP-3A.

(Originally certified under Executive Order G-70-164):

Processor Unit

Hasstech 1016-PR-A with serial numbers PR-00908 and higher.

Vapor Pump (Collection Unit)

Rotron Regenerative Blower (1/2 hp) Model Number DR 313 AK4HA

Process Control Panel

Hasstech Electronic Control and Status Panel ECS-1 with Audible Alarm and Serial Numbers VR-00848 and higher.

Flame Arrestors

Dispenser	Hasstech 1025-3/4"
Process Unit	Hasstech 1025-1"
Collection Unit	Hasstech 1025 - (1-1/4")

Pressure/Vacuum Valves

(Only threaded on accepted in Arizona)

OPW 523LP, 523LPS

Hazlett H-PVB-1 Gold label

Varec Model No. 2010-811-2

OR Any CARB-certified valve with the following pressure and vacuum settings, in inches water column (wc):

Pressure: three plus or minus one-half inches (3.0 +/- 0.5") wc.

Vacuum: eight plus or minus two inches (8 +/- 2") wc.

The following components are certified for use only with the Model VCP-3A-UL:

Processor Unit

Hasstech 1016-PR-A with Serial Numbers PR-01701-UL and higher.

Vapor Pump (Collection Unit)

Rotron Regenerative Blower (1/2 hp) Model Number DR 313 AK4HA, with 1016-7 Serial Numbers CU-01801-UL and higher.

Process Control Panel

Hasstech Electronic Control and Status Panel ECS-1 with Audible Alarm and Serial Numbers VR-01600-UL and higher.

Flame Arrestors

A flame arrestor is required at the Process Unit, as shown in Figure 2B-1. Flame arrestors are not required but may be installed as an option as shown in Figures 3 and 7 of the E.O.

Dispenser (Optional)	Hasstech 1025-3/4"
Process Unit	Hasstech 1025-1"
Collection Unit (Optional)	Hasstech 1025 - (1-1/4")

Pressure/Vacuum Valves

(Only threaded on accepted in Arizona)

OPW 523LP, 523LPS

OR Any CARB-certified valve with the following pressure and vacuum settings, in inches water column (wc):

Pressure: three plus or minus one-half inches (3.0 +/- 0.5") wci.

Vacuum: eight plus or minus two inches (8 +/- 2") wci.